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The Climate Change Train Has Left The Station

We must prepare and save what we can

Zed Babbey Follow 2 min read · Sep 11, 2023

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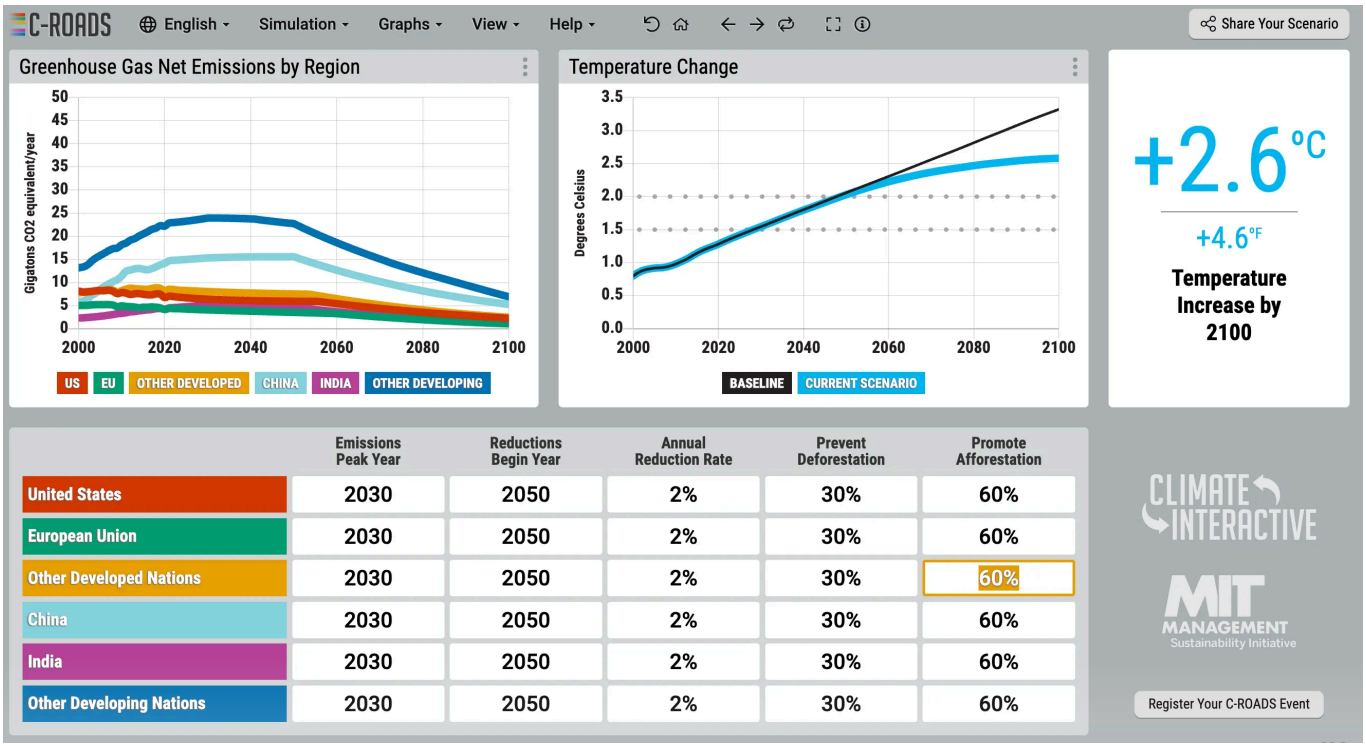
I came across the C-ROADS climate change simulator. It was developed by MIT to help policymakers understand how their action (or little to no action) on climate change and greenhouse gas emissions will affect the temperature rise by 2100.

I ran the simulations and have come to one conclusion, we'll need to adapt and fast. The rising temperature train has left the station. The only question we need to answer is how fast do we let it go and can we get it to slow down?

Take for example a scenario where the USA and the rest of the world's governments pledge to a peak emission year in 2030 with emission reductions starting at 2% annually starting in 2050. Helping this simulation would be limiting deforestation by 30% and reforesting areas by 60%.

That simulated scenario resulted in a 2.6C (4.6F) temperature rise by 2100. DAMN!



Let's take a look at a more aggressive policy change, one similar to what we did with fixing the ozone hole.

Assuming that we peak in emissions in 2030 and start annual reductions in the same...

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Written by Zed Babbey

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I have 160 characters to write about myself. This short missive didn't make it.

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What are your thoughts?

Tennessee Jed
Sep 12, 2023

I too am in the camp of doomed to collapse, because nobody will submit to a less energetic life until it is forced. It isn't that we are not smart enough, but we are obligated to by each other in competition. We have outsourced our actions to an... more

87 Reply

Rebecca S Goring
Sep 13, 2023

That model is hopelessly outdated. We already hit 1.5 C this summer. Temperatures are going up, and fast. Focus on adaptation, because there is little that can be done to slow the rise.

70 Reply

April Goodwin-Smith
Sep 11, 2023

We may need to - but we won't.

74 Reply

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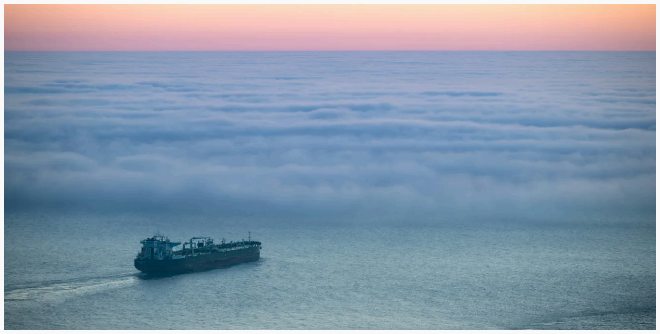

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